

REMARKS

Claims 1-11, 13-22, 25 and 26 are pending in this application. No claims have been added. No claims have been cancelled by this Amendment. Therefore, after entry of this Amendment, claims 1-11, 13-22, 25 and 26 will be pending in the instant application.

Claim Rejections – 35 U.S.C. § 103

Claims 1-8, 13-22, 25 and 26 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Raleigh et al. (United States patent Number 6,144,711) in view of Yun (US Patent Publication 2007/0173277).

Appellants respectfully submit that, the Examiner is still mistaken regarding the embodiments of Applicants' invention. Appellants have pointed out numerous times, art directed to technology for receivers such as Akaiwa and now Yun does not overcome the limitations of Raleigh (i.e. power for individual sub-channels or even weighting vectors in a transmission context).

It is respectfully requested that the Examiner's attention is directed to Figure 5 of Yun. Figure 5 comprises Figures 5(a) and Figure 5(b) since English may be a second language for Examiner.. The signal quality processor 513 and 533 are in the receiver part of the systems. The arguments during prosecution and appeal are still valid. The art presented by the Examiner to overcome the failings of Raleigh continues to be receiver focused.

Applicants have amended the claims to more clearly point out and distinctly claim the subject matter of the invention. The claims are drawn to a multiple-antenna wireless device that communicates with a single-antenna enabled device across a spectrum having a plurality of sub-channels. An antenna chain weighting vector is claimed for an associated antenna chain based on the highest communication quality, wherein the antenna chain weighting vector specifies a relative **transmission** power for each sub-channel for the associated antenna chain.

In light of the above, it is respectfully submitted that the instant application is in condition for allowance, and notice to that effect is respectfully requested. It is hoped that the clear language of the amended claims does not required further appeal and other costly delays to allowance of the claims.

While it is believed that the instant response places the application in condition for allowance, should the Examiner have any further comments or suggestions, it is respectfully requested that the Examiner contact the undersigned in order to expeditiously resolve any outstanding issues.

Please charge any fees, or credit overpayment to Deposit Account No. 20-0668.

Respectfully submitted:

/Steven A. Shaw/

Steven A. Shaw
Reg. No.: 39,368

March 30, 2009

Date

Customer No.: 23494
TEXAS INSTRUMENTS INCORPORATED
P.O. Box 655474, M.S. 3999
Dallas, TX 75265
Telephone: (972) 917-5137
Facsimile: (972) 917-4418
email: steven-shaw@ti.com